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grid- ► [arxiv.org](#) [PDF]

R Buyya, D Abramson, J Giddy - High Performance Computing in the Asia-Pacific Region, 2000. ..., 2000 - [ieeexplore.ieee.org](#)

... user's deadline, and adapts the **list** of machines ... is rather complex and it needs **grid** middleware services for **resource reservation**, broker services ...

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The anatomy of the **grid**: Enabling scalable virtual organizations- ► [arxiv.org](#) [PDF]

I Foster, C Kesselman, S Tuecke - International Journal of High Performance Computing ..., 2001 - [hpc.sagepub.com](#)

... new capability provided by these **Grid** services ... eg, whether they support advance **reservation**), on one ... partial **list** provides a **resource-** specific characterization ...

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The physiology of the **grid**: An open **grid** services architecture for distributed systems integration

I Foster, C Kesselman, J Nick, S Tuecke - Open **Grid** Service Infrastructure WG, Global **Grid** Forum, 2002 - [citeseerx.ist.psu.edu](#)

... 947, RSVP: A new **resource reservation** protocol - ZHANG, DEERING, et al. - 1993.

430, **Grid** Information Services for Distributed **Resource** Sharing - Czajkowski. ...

Cited by 2541 - [Related articles](#) - [Cached](#) - [Web Search](#) - [All 4 versions](#)

[PDF] ► An economy driven **resource** management architecture for global computational power grids

R Buyya, D Abramson, J Giddy - The 2000 International Conference on Parallel and ..., 2000 - [cs.mu.oz.au](#)

... server and identifying the **list** of authorized ... user through **resource** broker or **grid** enable application ... of Service (QoS) such as **resource reservation** and trading ...

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A taxonomy and survey of **grid resource** management systems for distributed computing-

► [kfupm.edu.sa](#) [PDF]

K Krauter, R Buyya, M Maheswaran - Software: Practice and Experience, 2002 - [doi.wiley.com](#)

... **Resource reservation** is one of the ways of providing guaranteed QoS in a **Grid** with dedicated **resources**. Globus provides some **resource reservation** capabilities. ...

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[PDF] ► An evaluation of economy-based **resource** trading and scheduling on computational power grids for ...

R Buyya, J Giddy, D Abramson - KLUWER INTERNATIONAL SERIES IN ENGINEERING AND COMPUTER ..., 2000 - [gridbus.org](#)

... Quality of Service (QoS) such as **resource reservation** for guaranteed **availability** and trading for ... for managing economy of computations on the **Grid** are the ...

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[PDF] ► The data **grid**: Towards an architecture for the distributed management and analysis of large

...
 A Chervenak, I Foster, C Kesselman, C Salisbury, S ... - Journal of Network and Computer Applications, 2000 - [citeseerx.ist.psu.edu](#)

... The **Grid**: Blueprint for a Future Computing Infrastructure. ... A distributed **resource**

management architecture that supports advance **reservations** and co ...

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[PDF] ► [The anatomy of the grid](#)

I Foster, C Kesselman, S Tuecke - International Journal of Supercomputer Applications, 2001 - cri.enscm.fr
... application-specific coherency protocol, or a co-**reservation** service for ... which build on Globus Connectivity and **Resource** protocols, we ... The Anatomy of the **Grid** ...

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Grid information services for distributed **resource** sharing- ► [udel.edu](#) [PDF]

K Czajkowski, S Fitzgerald, I Foster, C Kesselman - 10th IEEE International Symposium on High Performance ..., 2001 - [ieeexplore.ieee.org](#)

... VO-specific views of federated **resources**, ser- vices ... use by a broker might **list** the computers ... information about entities, while the **GRid** Registration Protocol ...

[Cited by 1176](#) - [Related articles](#) - [Web Search](#) - [All 64 versions](#)

A Java commodity **grid** kit- ► [cogkits.org](#) [PDF]

G Von Laszewski, I Foster, J Gawor, P Lane - Concurrency and Computation: Practice and Experience, 2001 - [doi.wiley.com](#)

... side applications requiring access to GSI-enabled **resources**. ... to transfer files in a **Grid** environment ... The Globus Architecture for **Reservation** and Allocation (GARA ...

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Architectural models for **resource** management in the **Grid**- ► [psu.edu](#) [PDF]

R Buyya, S Chapin, D DiNucci - Lecture notes in computer science, 2000 - Springer

... server and identifying the **list** of authorized ... through a **resource** broker or **grid** enabled application ... of Service (QoS) such as **resource reservation** for guaranteed ...

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[BOOK] **Grid resource** management: state of the art and future trends

J Nabrzyski, JM Schopf, J Węglarz - 2003 - [books.google.com](#)

... OF MANUFACTURING SYSTEMS AND SUPPLY CHAINS * A **list** of the early publications in the series is at the end of the book * Page 7. **GRID RESOURCE** MANAGEMENT State ...

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A computational economy for **grid** computing and its implementation in the Nimrod-G **resource** broker- ► [arxiv.org](#) [PDF]

D Abramson, R Buyya, J Giddy - Future Generation Computer Systems, 2002 - Elsevier

... MDS in Globus), identifies the **list** of authorized ... essential ingredients for pushing **grid** into the ... plan to support scheduling with advance **resource reservation**. ...

[Cited by 225](#) - [Related articles](#) - [Web Search](#) - [All 22 versions](#)

[PDF] ► [Qos adaptation in service-oriented grids](#)

R Al-Ali, A Hafid, O Rana, D Walker - ... Workshop on Middleware for **Grid** Computing (MGC2003) at ACM/ ..., 2003 - [wesc.ac.uk](#)

... The UDDle registry sends a **list** of match ... the QoS session is terminated – due to **resource reservation** expiration, SLA violation or a **Grid** service completion ...

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Enabling applications on the **grid**: A gridlab overview- ► [cardiff.ac.uk](#) [PDF]

G Allen, T Goodale, T Radke, M Russell, E Seidel, ... - International Journal of High Performance Computing ..., 2003 - [hpc.sagepub.com](#)

... and not by the underly- ing **Grid** environment and ... API appearance and use, we will **list** several preliminary ... queries the envi- ronment for a **resource** matching a ...

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[Dynamic virtual clusters in a **grid** site manager- ▶ \[kfupm.edu.sa\]\(#\) \(PDF\)](#)

JS Chase, DE Irwin, LE Grit, JD Moore, SE Sprenkle - 12th IEEE International Symposium on High Performance ..., 2003 - [ieeexplore.ieee.org](#)

... and other **resource** management features (eg, **reservations**) at the ... network, with local autonomy over **resource** management. In the **Grid**, local site managers pass ...

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[... A toolkit for the modeling and simulation of distributed **resource** management and scheduling for **grid** ...- ▶ \[arxiv.org\]\(#\) \(PDF\)](#)

R Buyya, M Murshed - Arxiv preprint cs/0203019, 2002 - [arxiv.org](#)

... **Reservation** SMPs Load Pattern ... (Register **Resource**) **Grid** Information Service Entity **Grid** Shutdown Entity (Get **Resource** List) (Get **Resource** Characteristics) ...

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[... for negotiating service level agreements and coordinating **resource** management in distributed ...-](#)

[▶ \[nesc.ac.uk\]\(#\) \(PDF\)](#)

K Czajkowski, I Foster, C Kesselman, V Sander, S ... - Lecture Notes in Computer Science, 2002 - Springer

... Another example is network QoS: a **reservation** regarding the ... motivating scenarios to apply SLA models to **Grid** RM problem ... state model, which embed a **resource** and task ...

[Cited by 241](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 40 versions](#)

[Scheduling in HPC **Resource** Management Systems: Queuing vs. Planning- ▶ \[fz-juelich.de\]\(#\) \(PDF\)](#)

M Hovestadt, O Kao, A Keller, A Streit - Lecture Notes in Computer Science, 2003 - Springer

... information is described by means of the **Resource** and Service ... be accepted: Does it match Admin-**Reservations**, project limits ... a 4 x 3 x 2 **grid**) verifying becomes ...

[Cited by 71](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 14 versions](#)

[Quality of service on the **grid** via metascheduling with **resource** co-scheduling and co-reservation](#)

G Mateescu - International Journal of High Performance Computing ..., 2003 - [hpc.sagepub.com](#)

... The **Grid Resource** Information Service component of MDS is queried to find dynamic information such as the ... 3.2 **RESOURCE** SELECTION A co-**reservation** for a ...

[Cited by 22](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 4 versions](#)

[Resource co-allocation in computational grids- ▶ \[psu.edu\]\(#\) \(PDF\)](#)

K Czajkowski, I Foster, C Kesselman - High Performance Distributed Computing, 1999. Proceedings. ..., 1999 - [ieeexplore.ieee.org](#)

... We argue that in a **Grid** environment, it ... is to enhance the local **resource** management system ... For example, by incorporating advance **reservation** capabilities into a ...

[Cited by 205](#) - [Related articles](#) - [Web Search](#) - [All 31 versions](#)

[\(PDF\) ▶ Grids as production computing environments: The engineering aspects of NASA's Information Power **Grid**](#)

WE Johnston, D Gannon, B Nitzberg - Presented at the Eighth IEEE International Symposium on High ..., 1999 - [citeseerx.ist.psu.edu](#)

... **Resource** Management for Co-Scheduling and **Reservation** One of the most challenging and well known **grid** problems is that of scheduling scarce ...

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[Architecture requirements for commercializing **grid** resources- ▶ \[ufl.edu\]\(#\) \(PDF\)](#)

C Kenyon, G Cheliotis - 11th IEEE International Symposium on High Performance ..., 2002 - [ieeexplore.ieee.org](#)

... **Reservation** prices now (currently) for use later are 1/4 ... the uncertainty about price and **availability** faced by ... in efforts to commercialize **Grid resource** trading ...

[Cited by 26](#) - [Related articles](#) - [Web Search](#) - [All 12 versions](#)

Economic-based distributed **resource** management and scheduling for **grid** computing- ►arxiv.org

[PDF]

R Buyya - Arxiv preprint cs/0204048, 2002 - arxiv.org

... and geographically distributed with varying **availability** and a ... in the text, and a **list** of references ... of an economic-based model to **Grid resource** management and ...

Cited by 352 - Related articles - View as HTML - Web Search - Library Search - All 21 versions

[PDF] ►G-QoS: **Grid** service discovery using QoS properties

RJ Al-Ali, OF Rana, DW Walker, S Jha, S Sohail - Computing and Informatics, 2002 - citeseerx.ist.psu.edu

... The result is a **list** of services with ... 5 the AQoS confirms the **reservation** for previously ... involve close interaction with the **Grid Resource** Allocation Agreement ...

Cited by 102 - Related articles - View as HTML - Web Search - BL Direct - All 7 versions

Scheduling co-reservations with priorities in **grid** computing systems- ►psu.edu [PDF]R Min, M Maheswaran - ... International Symposium on Cluster Computing and the **Grid**, ..., 2002 - IEEE Explore.IEEE.ORG... Advance **resource reservations** and co-reservations in the context of **Grid** computing have been the focus of few studies [1, 2]. Algorithms for supporting ...

Cited by 37 - Related articles - Web Search - Library Search - All 12 versions

[PDF] ►Economic models for **resource** management and scheduling in **grid** computing

R Buyya, D Abramson, J Giddy, H Stockinger - Concurrency and computation: practice and experience, 2002 - 130.149.25.10

... in a competitive and reasonable manner and **resource** quality of services can be guaranteed through **reservation** during the ... **Resource Broker** ... (**Grid Service Provider** ...

Cited by 372 - Related articles - View as HTML - Web Search - BL Direct - All 34 versions

[PDF] ►**Grid resource** management, scheduling, and computational economy

R Buyya, D Abramson, J Giddy - International Workshop on Global and Cluster Computing, ..., 2000 - citeseerx.ist.psu.edu

... **resources** are shared and their **availability** and load ... are based on advance **resource reservation**, and a ... auction mechanisms for the **grid resource** management and ...

Cited by 18 - Related articles - View as HTML - Web Search - All 14 versions

A distributed **resource** management architecture that supports advance reservations and co-allocation- ►udel.edu [PDF]

I Foster, C Kesselman, C Lee, B Lindell, K ... - Quality of Service, 1999. IWQoS'99. 1999 Seventh ..., 1999 - IEEE Explore.IEEE.ORG

... ware, **availability**, and network connectivity; local **resource** managers ... Darwin does not support advance **reservations**. ... do not extend easily to other **resource** types ...

Cited by 507 - Related articles - Web Search - All 58 versions

A **resource** management architecture for metacomputing systems- ►globus.org [PDF]

K Czajkowski, I Foster, N Karonis, C Kesselman, S ... - Lecture Notes in Computer Science, 1998 - Springer

... on GUSTO, a large computational **grid** testbed comprising ... system exists on a particular **resource**, a simple ... eg, whether the scheduler supports **reservation** and the ...

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